



Monte Carlo Production



- Current Status

- Running p11 Monte Carlo
- Using MC Request System
- Mostly successful
- No longer requires someone to distribute jobs

- Problems

- MC Request Details are all stored as strings
 - Means have to get exact string in request to store data
 - 2.0 != 2. This causes many problems
 - Need defaults
- Couple of features in runjob need fixing
 - If floats set equal to zero value is set to default (needs fixing)
- Need to merge small files (thumbnail)



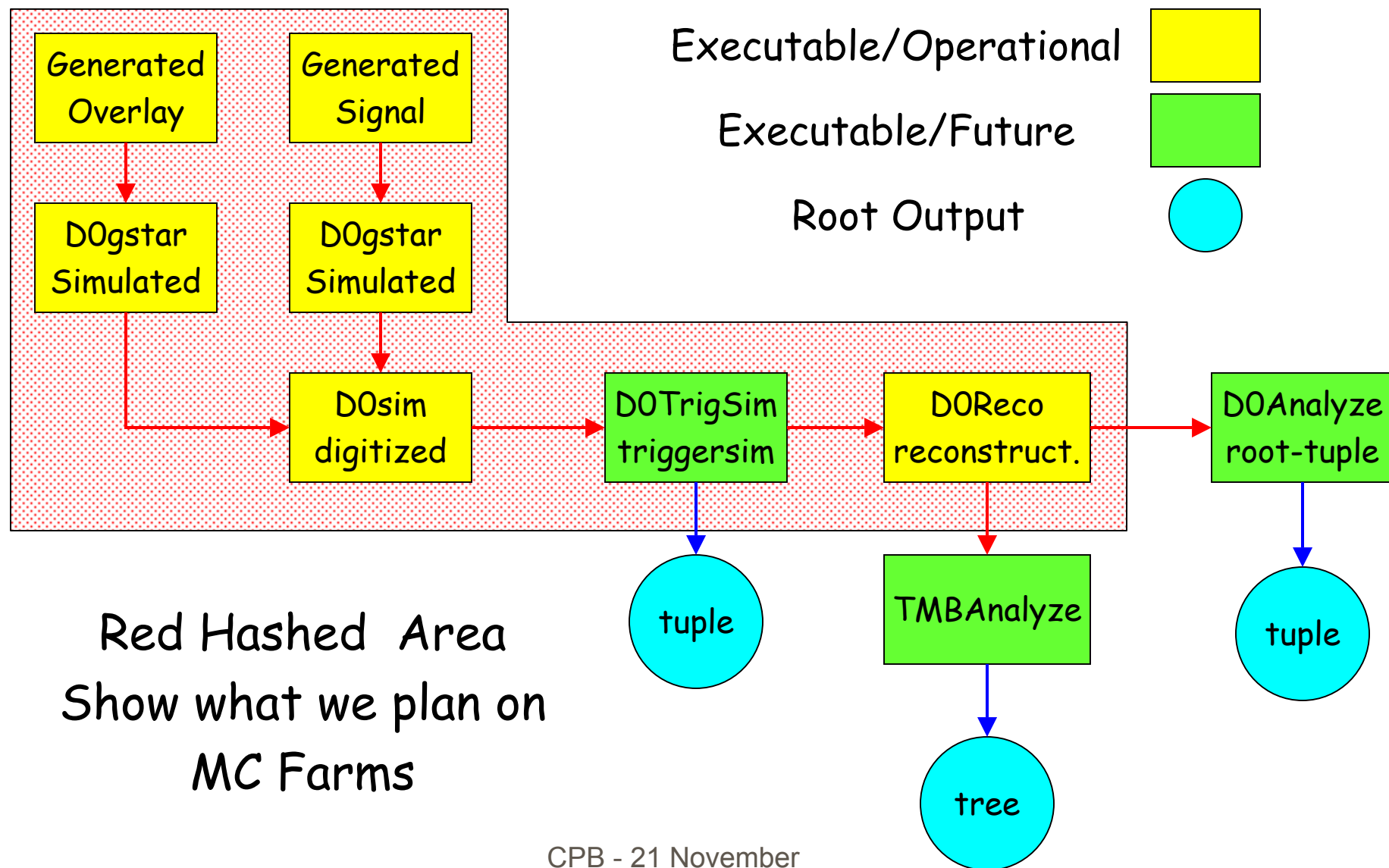
p13



- p13.03 should be first p13 release
 - reco certification sample currently being generated
 - First look, everything works
 - Need to test new version of runjob
- Plans
 - Will merge thumbnails manually into ~10k files (~250M)
(use similar tools to FNAL farms)
 - Will store full d0reco output
 - No root-tuples or trees
- Trigsim
 - Not running yet.
 - Need trigger list!



mc_runjob MC Processing





Short Term Plans



- Runjob
 - ➔ SAM Project as input to Runjob
 - ➔ Integration of by-group data-tiers for group generated information
 - ➔ Integration of sam store/declare as part of runjob
 - ➔ Pre-processor for setting up parallel jobs etc.
 - ➔ Set-up configuration for remote sites to ease upgrades
- Metadata
 - ➔ Need float and logical types integrated soon
 - ➔ Need facility for checking metadata using filename.
- Requests
 - ➔ Need Priority for Groups
 - ➔ Queue with dials for ORB to control
- Zero-Bias
 - ➔ Need to test overlaying with zero-bias
 - ➔ Require Plan



Long Term Plans



- Runjob

- ➔ Automatic merging of file outputs
- ➔ Storing temporary files in local SAM locations
- ➔ Remove need to have list of rcp files for input

- SAM-JIM

- ➔ use global sam-grid queue to run Monte Carlo
- ➔ Remote Centres advertise ability to do MC
- ➔ Submit each request as request-id and number of events to SAM-JIM
- ➔ Runs as batch job at remote site and results stored in SAM
- ➔ Remove need for remote farm operators to submit and monitor individual jobs



Questions



- PMCS

- Do we want PMCS to be able to run as part of remote production?
- Do we need a PMCS data-tier?
- I think the answer to these questions is yes.